Test Plan for Walmart Web Application

Introduction

The purpose of this Test Plan is to outline the overall strategy, scope, objectives, and approach for testing the Walmart web application. This document is designed to provide a structured approach to ensure the successful verification of core features and modules within the web application, with a focus on delivering a high-quality user experience.

The features under test in this plan include **Sign Up**, **Sign In**, **Log Out**, **Forget Password**, **Header**, **Footer**, **Search Bar**, and **Body Section**. These features are essential for user account management, navigation, and product search, making it critical to ensure their functionality, usability, and consistency across all platforms.

In addition to feature testing, the test plan also focuses on validating the **Account**, **User Management**, and **Homepage** modules. These modules are fundamental to the user experience, ensuring that users can easily register, manage their profiles, and browse through the homepage seamlessly.

This document outlines the planned testing approach to verify that all features work in alignment with expected outcomes, ensuring smooth functionality for Walmart customers across various browsers and devices. The results of these tests will help identify potential issues, and bugs will be addressed before the application is released to the broader audience.

Scope

In-Scope

- **Functional Testing**:
  - Testing core functionalities such as **Sign Up**, **Sign In**, **Log Out**, and **Forget Password** to ensure they work as expected.
  - Verifying the **Search Bar** for accurate product search functionality.
  - Checking the behavior of **Header** and **Footer** across all pages.
  - Verifying **Body Section** content display on the homepage and other key pages.

- **UI Testing**:
  - Ensuring that **Header**, **Footer**, **Search Bar**, and **Body Section** are responsive and display correctly across different screen sizes and browsers.
  - Verifying the alignment, fonts, and colors are consistent with design specifications.

- **Usability Testing**:

    - Verifying that the user can easily navigate through **Account**, **User Management**, and **Homepage** modules.

    - Ensuring intuitive and user-friendly interaction for all listed features.

- **Mobile Responsiveness**:

    - Ensuring that the web application is fully functional and optimized for mobile devices.

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Out-of-Scope:

- **Performance Testing**:

    - Testing how the application performs under heavy load or traffic is not part of this test plan.

- **API Testing**:

    - Testing backend APIs or integrations with third-party services is not included in this test plan.

Test Environment:

Operating Systems

- **Windows 10/11**

- **Android**

Browsers

- **Google Chrome**

- **Mozilla Firefox**

- **Microsoft Edge**

Devices

- **Desktop**: Testing will be done on desktop computers running **Windows 10/11**

- **Mobile Devices**: Testing will be done on smartphones and tablets running **Android 11+.**

Network

- A stable internet connection with an average speed suitable for standard web application usage.

Exclusions

- **Third-Party Integrations**:

  o Testing of external tools and third-party services integrated into the application is not covered in this plan.

- **Browser Versions Below Latest**:

  o Testing on outdated browser versions or devices not commonly in use will not be performed.

- **Offline Functionality**:

  o Testing of features when the user is offline or has limited connectivity is excluded from this plan.

- **Accessibility Testing**:

  o Testing for compliance with accessibility standards such as WCAG will not be covered in this test plan.

Conclusion

This test plan ensures that the Walmart web application's key features and modules are thoroughly tested for Functional, UI and Usability aspects. The test will confirm the consistency, responsiveness and usability of the application across different platforms and devices.